



August 17, 1978

Mr. Marc Nelson  
Environmental Scientist, SRMA  
UNITED STATES GEOLOGICAL SURVEY  
Mining Operations - Conservation Div.  
P. O. Box 26124  
Albuquerque, New Mexico 87125

Dear Mr. Nelson:

Pursuant to your letter of July 28, 1978 requesting additional environmental monitoring data for the Jackpile-Paguate Mine, the following is in answer to questions 2 and 3 of your letter:

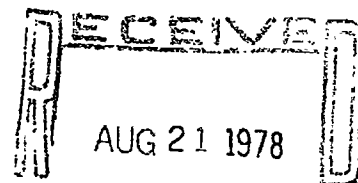
The soil, vegetation and radon sampling frequency is dependent upon adherence to statistical criteria applied to the gamma radioactivity survey.

At present, reclamation sites that are complete are being surveyed, permanently staked, and corresponding maps prepared for the implementation of the gamma survey sampling grid.

Preliminary sample data from reclaimed waste dumps K and L are as follows:

<u>Dump Site</u>	<u>Uranium-Nat.</u>	<u>Total Radium</u>							
K	2.70 ug/g	3.09 pCi/g							
L	4.50 ug/g	3.62 pCi/g							
L & K (Composite)	<u>NO<sub>3</sub>-N</u>	<u>P</u>	<u>K</u>	<u>B</u>	<u>As</u>	<u>Fe</u>	<u>Zn</u>	<u>Se</u>	
ppm	15.91	2.6	119	.28	<.5	12.72	6.24	<.06	

As additional data becomes available from the monitoring program, it will be reported to your office.



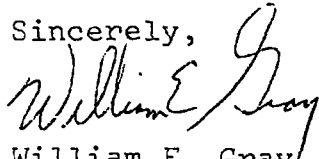
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If additional information or clarification is required,  
please advise.

Sincerely,

A handwritten signature in cursive script, appearing to read "William E. Gray".

William E. Gray  
Director-Environmental Affairs  
Uranium Mining & Refining

WEG/cb